



200 West Mercer St. • Suite 401 • Seattle, WA 98119
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June 18, 2012

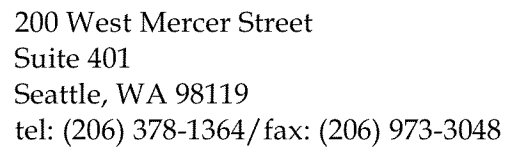
de maximis, inc.
Willard Potter
186 Center Street Suite 290
Clinton, New Jersey 08809

Dear Willard,
Please find our invoice #0512 for Professional Time Rendered from May 1, 2012 to May 31, 2012 for The Passaic RI/FS project.

Task	Amount
Task 11 - Meetings and Communications	2,041.98
Task 16.14 Sm Forage Fish 2010 Tissue Rpt	4,282.23
Task 16.4 Database Coordination	113.30
Task 18.8.2 Lab Coordination	309.00
Task 21.7 Avian 2011 Wnt/Spr Report	6,002.33
Task 23.2.4 CBS Spring 2011 Data Report	2,508.05
Task 26 CPG Strategic Support	1,820.53
Task 32.2 Bioaccumulation Model	29,715.50
Task 36 Initial ERA Framework	10,012.81
Task 36.1 Screening Assessment TRV Eval	21,341.60
Task 36.2 Initial Benthic Assessment	31,724.00
Task 36.3 Initial Exposure Assessment	164.80
Task 36.4 Initial Uncertainty Analysis	164.80
Task 37 DO Monitoring Program	4,305.40
	<u><u>\$ 114,506.33</u></u>

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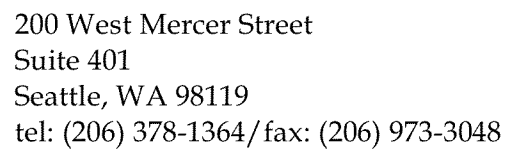


Invoice Date: 5/31/2012

Invoice Number: 9916

Passaic RI/FS
Willard Potter
186 Center Street Suite 290
Clinton, NJ 08809

FOIA_07123_0004945_0002



Invoice Date: 5/31/2012

Description	Units	Rate	Amount
LABOR from May 1, 2012 to May 31, 2012			
Kim Goffman	1	110.00	110.00
Computer Markup 3%		3.00%	3.30
Total Labor			113.30
Total			\$113.30

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Task 16.14 Sm Forage Fish 2010 Tissue Rpt

Invoice Date: 5/31/2012

Invoice Number: 9917

Bill To

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Willard Potter
186 Center Street Suite 290
Clinton, New Jersey 08809

Description	Units	Rate	Amount
LABOR from May 1, 2012 to May 31, 2012			
Lisa Saban	4	160.00	640.00
Jennifer Parker	12.25	150.00	1,837.50
Lucinda Tear	10	150.00	1,500.00
Shana Hinds	2	90.00	180.00
Subtotal			4,157.50
Computer Markup 3%		3.00%	124.73
Total Labor			4,282.23
Total			\$4,282.23

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Task 18.8.2 Lab Coordination

Invoice Date: 5/31/2012

Invoice Number: 9919

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Description	Units	Rate	Amount
LABOR from May 1, 2012 to May 31, 2012			
Jennifer Parker	2	150.00	300.00
Computer Markup 3%		3.00%	9.00
Total Labor			309.00
Total			\$309.00



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Task 21.7 Avian 2011 Wnt/Spr Report

Invoice Date: 5/31/2012

Invoice Number: 9920

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Description	Units	Rate	Amount
LABOR from May 1, 2012 to May 31, 2012			
Berit Bergquist	23.75	150.00	3,562.50
Shana Hinds	1.5	90.00	135.00
Lisa Saban	5	160.00	800.00
Karen Tobiason	3	150.00	450.00
Brian Church	8	110.00	880.00
Subtotal			5,827.50
Computer Markup 3%		3.00%	174.83
Total Labor			6,002.33
Total			\$6,002.33

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Task 23.2.4 CBS Spring 2011 Data Report

Invoice Date: 5/31/2012

Invoice Number: 9921

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Description	Units	Rate	Amount
LABOR from May 1, 2012 to May 31, 2012			
Lisa Saban	2	160.00	320.00
Jennifer Parker	12	150.00	1,800.00
Shana Hinds	1	90.00	90.00
Karen Tobiason	1.5	150.00	225.00
Subtotal			2,435.00
Computer Markup 3%		3.00%	73.05
Total Labor			2,508.05
Total			\$2,508.05

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Task 26 CPG Strategic Support

Invoice Date: 5/31/2012

Invoice Number: 9922

Bill To

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Task 32.2 Bioaccumulation Model

Invoice Date: 5/31/2012

Invoice Number: 9923

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Description	Units	Rate	Amount
LABOR from May 1, 2012 to May 31, 2012			
Lucinda Tear	11.5	150.00	1,725.00
John Toll	26.5	160.00	4,240.00
Nate Lewis	76	110.00	8,360.00
Nancy Judd	61.25	150.00	9,187.50
Suzanne Replinger	2	110.00	220.00
Berit Bergquist	12.5	150.00	1,875.00
Brian Church	14.25	110.00	1,567.50
Sarah Fowler	8.5	90.00	765.00
Kay Hessemer	1.5	70.00	105.00
Jessica Huybregts	1	110.00	110.00
Lisa Saban	2	160.00	320.00
Nancy Musgrove	2.5	150.00	375.00
Subtotal			28,850.00
Computer Markup 3%		3.00%	865.50
Total Labor			29,715.50

Total

\$29,715.50



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Task 36 Preliminary ERA

Invoice Date: 5/31/2012

Invoice Number: 9924

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Description	Units	Rate	Amount
LABOR from May 1, 2012 to May 31, 2012			
Shana Hinds	1	90.00	90.00
Shannon Katka	0.75	150.00	112.50
Mike Johns	16	170.00	2,720.00
Lisa Saban	31	160.00	4,960.00
Berit Bergquist	0.25	150.00	37.50
Subtotal			7,920.00
Computer Markup 3%		3.00%	237.60
Total Labor			8,157.60
COSTS			
Travel (Mike)5/14/12)		20.00	20.00
Travel (Lisa5/24/12)		34.00	34.00
Travel (BOA5/15/12)		743.60	743.60
Travel (BOA5/15/12)		84.00	84.00
Travel(BOA5/15/12)		45.25	45.25
Travel (BOA5/15/12)		60.36	60.36
Travel(BOA5/15/12)		43.00	43.00
Total Costs			1,030.21
PER DIEMS			

Total



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Task 36 Preliminary ERA

Invoice Date: 5/31/2012

Invoice Number: 9924

Bill To

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Description	Units	Rate	Amount
Mike Johns		412.50	412.50
Lisa Saban		412.50	412.50
Total			\$10,012.81

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Task 36.1 Screening Assessment and TRV Ev

Invoice Date: 5/31/2012

Invoice Number: 9925

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Description	Units	Rate	Amount
LABOR from May 1, 2012 to May 31, 2012			
Jessica Huybregts	80.25	110.00	8,827.50
Kim Goffman	34.5	110.00	3,795.00
Shannon Katka	34.75	150.00	5,212.50
Lisa Saban	6	160.00	960.00
Suzanne Replinger	17.5	110.00	1,925.00
Subtotal			20,720.00
Computer Markup 3%		3.00%	621.60
Total Labor			21,341.60

Total	\$21,341.60
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Task 36.2 Initial Benthic Assessment

Invoice Date: 5/31/2012

Invoice Number: 9926

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Description	Units	Rate	Amount
LABOR from May 1, 2012 to May 31, 2012			
Mike Johns	36.5	170.00	6,205.00
Karen Tobiason	4.75	150.00	712.50
Brian Church	77.25	110.00	8,497.50
Lucinda Tear	24	150.00	3,600.00
Lisa Saban	15	160.00	2,400.00
Linda Marsh	68.25	90.00	6,142.50
Jennifer Parker	1	150.00	150.00
Mike Yarnes	18.25	90.00	1,642.50
Ron Gouguet	1.5	150.00	225.00
Nancy Musgrove	4.5	150.00	675.00
Kim Goffman	5	110.00	550.00
Subtotal			30,800.00
Computer Markup 3%		3.00%	924.00
Total Labor			31,724.00

Total

\$31,724.00



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Task 36.3 Initial Exposure Assessment

Invoice Date: 5/31/2012

Invoice Number: 9927

Bill To

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Description	Units	Rate	Amount
LABOR from May 1, 2012 to May 31, 2012			
Lisa Saban	1	160.00	160.00
Computer Markup 3%		3.00%	4.80
Total Labor			164.80
Total			\$164.80



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Task 36.4 Initial Uncertainty Analysis

Invoice Date: 5/31/2012

Invoice Number: 9928

Bill To

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Description	Units	Rate	Amount
LABOR from May 1, 2012 to May 31, 2012			
Lisa Saban	1	160.00	160.00
Computer Markup 3%		3.00%	4.80
Total Labor			164.80
Total			\$164.80



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Task 37 DO Monitoring Program

Invoice Date: 5/31/2012

Invoice Number: 9929

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Description	Units	Rate	Amount
LABOR from May 1, 2012 to May 31, 2012			
Mike Johns	2	170.00	340.00
Thai Do	18.75	110.00	2,062.50
Linda Marsh	5.25	90.00	472.50
Lisa Saban	4	160.00	640.00
Kay Hessemer	2	70.00	140.00
Nancy Musgrove	3	150.00	450.00
Jennifer Parker	0.5	150.00	75.00
Subtotal			4,180.00
Computer Markup 3%		3.00%	125.40
Total Labor			4,305.40

Total

\$4,305.40

Passaic Labor Report

Task 11 - Meetings and Communications

Chris Nelson

Date	Hours	Rate	Extended	Notes
5/11/2012	1.00	90.00	\$90.00	Assisting Lisa with Budgets
5/14/2012	0.50	90.00	\$45.00	Assisting Lisa with budget reporting.
5/15/2012	1.00	90.00	\$90.00	Assisting Lisa with budget reporting.
5/22/2012	0.25	90.00	\$22.50	Assisting Lisa with budgets
5/30/2012	0.25	90.00	\$22.50	Assisting Lisa with budgets.
Summary for Chris Nelson				
	3.00		\$270.00	

Karen Tobiason

Date	Hours	Rate	Extended	Notes
5/29/2012	0.75	150.00	\$112.50	Update deliverable table; send RARC to NRD consultants.
Summary for Karen Tobiason				
	0.75		\$112.50	

Lisa Saban

Date	Hours	Rate	Extended	Notes
5/3/2012	2.00	160.00	\$320.00	check on rpts and cmts
5/7/2012	1.00	160.00	\$160.00	start to review budgets
5/11/2012	3.00	160.00	\$480.00	continue to review tasks and budgets
5/14/2012	2.00	160.00	\$320.00	finalize budget/task review.
5/22/2012	2.00	160.00	\$320.00	task review and discussion
Summary for Lisa Saban				
	10.00		\$1,600.00	
Summary for Task 11 - Meetings and Communications				
	13.75		\$1,982.50	

Task 16.14 Sm Forage Fish 2010 Tissue Rpt

Jennifer Parker

Date	Hours	Rate	Extended	Notes
5/10/2012	3.50	150.00	\$525.00	Organized data to conduct concentration vs. mass, length, and lipids regression analyses to address verbal comment on the data report from TAL. Created response to comment table and began to address comments.
5/11/2012	4.00	150.00	\$600.00	Continued to revise report to address CPG comments and worked on RTC table.
5/14/2012	2.50	150.00	\$375.00	Reviewed regressions to address CPG comments. Continued to revise report based on CPG comments.
5/29/2012	1.00	150.00	\$150.00	Began review of Integral's comments and continued to work on report and RTC. Discussed status and schedule with PM.
5/30/2012	1.25	150.00	\$187.50	Continued to address comments and update RTC table.
Summary for Jennifer Parker				
	12.25		\$1,837.50	

Lisa Saban

Date	Hours	Rate	Extended	Notes
5/9/2012	1.00	160.00	\$160.00	go over cpg cmts
5/17/2012	1.00	160.00	\$160.00	review additional cpg comments.
5/21/2012	1.00	160.00	\$160.00	update on sff rpt changes
5/30/2012	1.00	160.00	\$160.00	discuss regressions
Summary for Lisa Saban				
	4.00		\$640.00	

Lucinda Tear

Date	Hours	Rate	Extended	Notes
5/10/2012	4.00	150.00	\$600.00	begin R code for SFF graphs and regressions
5/14/2012	5.00	150.00	\$750.00	Small forage fish regressions and scatterplots - rerun with biology on X axis
5/15/2012	1.00	150.00	\$150.00	small forage fish regressions
Summary for Lucinda Tear				
	10.00		\$1,500.00	

Shana Hinds

Date	Hours	Rate	Extended	Notes
5/22/2012	1.00	90.00	\$90.00	Compile reviewer comments, add to RTC
5/29/2012	1.00	90.00	\$90.00	Incorporate Integral feedback, update RTC

Summary for Shana Hinds

2.00

\$180.00

Summary for Task 16.14 Sm Forage Fish 2010 Tissue Rpt

28.25

\$4,157.50

Task 16.4 Database Coordination

Kim Goffman

Date	Hours	Rate	Extended	Notes
5/4/2012	1.00	110.00	\$110.00	Data mgmt conference call with CDM/ddms/AECOM.
Summary for Kim Goffman				
	1.00		\$110.00	
Summary for Task 16.4 Database Coordination				
	1.00		\$110.00	

Task 18.8.2 Lab Coordination

Jennifer Parker

Date	Hours	Rate	Extended	Notes
5/2/2012	0.50	150.00	\$75.00	Chemist reviewed invoices and conducted cost tracking (including tracking storage fees)
5/10/2012	0.50	150.00	\$75.00	Reviewed invoices and tracked costs.
5/17/2012	1.00	150.00	\$150.00	Review invoices and prepared sample storage summary as requested by dmi.
Summary for Jennifer Parker				
	2.00		\$300.00	
Summary for Task 18.8.2 Lab Coordination				
	2.00		\$300.00	

Task 21.7 Avian 2011 Wnt/Spr Report

Berit Bergquist

Date	Hours	Rate	Extended	Notes
5/4/2012	0.25	150.00	\$37.50	discuss with Karen and begin addressing CPG comments on avian report
5/9/2012	2.25	150.00	\$337.50	Address CPG comments on avian bird surveys
5/10/2012	5.00	150.00	\$750.00	address CPG comments on avian survey; work on outline and data needs for overall summary section

5/15/2012	1.00	150.00	\$150.00	respond to CPG comments; discuss proposed revisions with Karen
5/16/2012	0.50	150.00	\$75.00	respond to CPG comments; work with Brian on new summary figures
5/17/2012	0.50	150.00	\$75.00	respond to CPG comments; review first draft of figures prepared by Brian and suggest revisions
5/18/2012	0.25	150.00	\$37.50	respond to CPG comments on avian report; review summary data tables and figures prepared by Brian
5/22/2012	2.50	150.00	\$375.00	address CPG comments; write summary for all seasons
5/23/2012	0.50	150.00	\$75.00	address CPG comments on avian report; continue working on summary for all seasons
5/24/2012	3.50	150.00	\$525.00	address CPG comments on avian report: write comparison of 1999/2000 and 2010/2011 surveys
5/25/2012	0.50	150.00	\$75.00	address CPG comments on avian report; go over graphs with Brian; review new comments received today
5/29/2012	3.00	150.00	\$450.00	address CPG comments on avian survey report
5/30/2012	2.00	150.00	\$300.00	address CPG comments on avian report
5/31/2012	2.00	150.00	\$300.00	continue addressing CPG comments on avian report
Summary for Berit Bergquist				
	23.75		\$3,562.50	

Brian Church

Date	Hours	Rate	Extended	Notes
5/16/2012	1.25	110.00	\$137.50	Rearranging avian data and creating graphics by seasonality; requested by Berit
5/17/2012	1.50	110.00	\$165.00	Finished old graphs, discussing problems, and starting revisions
5/18/2012	1.50	110.00	\$165.00	Recreated avian data graphs and qc'd the data that I had originally rearranged and qualified
5/22/2012	0.50	110.00	\$55.00	Created the "last" graph of avian data for Berit
5/25/2012	1.75	110.00	\$192.50	Rearranged data from WW avian studies and BBL studies (1999-2000) and created comparable graphs (for Berit)
5/30/2012	1.50	110.00	\$165.00	Embedded excel graphics into word document
Summary for Brian Church				
	8.00		\$880.00	

Karen Tobiason

Date	Hours	Rate	Extended	Notes
5/15/2012	0.75	150.00	\$112.50	Review responses to CPG comments.
5/18/2012	0.75	150.00	\$112.50	Coordinate revisions to graphs for overall summary prepared in response to CPG comments.
5/23/2012	1.00	150.00	\$150.00	Work on responses to CPG comments.
5/30/2012	0.50	150.00	\$75.00	Review additional CPG comments on data report.
Summary for Karen Tobiason				
	3.00		\$450.00	

Lisa Saban

Date	Hours	Rate	Extended	Notes
5/9/2012	1.00	160.00	\$160.00	go over cpg cmts
5/14/2012	1.00	160.00	\$160.00	answer internal questions and give direction on report changes per cpg cmts.
5/24/2012	2.00	160.00	\$320.00	review new write-up on summaries of various events.
5/31/2012	1.00	160.00	\$160.00	discuss avian new section
Summary for Lisa Saban				
	5.00		\$800.00	

Shana Hinds

Date	Hours	Rate	Extended	Notes
5/8/2012	0.50	90.00	\$45.00	Begin to compile comments/RTC.
5/29/2012	1.00	90.00	\$90.00	Incorporate Integral feedback, update RTC
Summary for Shana Hinds				
	1.50		\$135.00	

Summary for Task 21.7 Avian 2011 Wnt/Spr Report
41.25 \$5,827.50

Task 23.2.4 CBS Spring 2011 Data Report**Jennifer Parker**

Date	Hours	Rate	Extended	Notes
5/10/2012	3.00	150.00	\$450.00	Created a response to comment table and began to address comments.
5/11/2012	2.00	150.00	\$300.00	Continued to revise report to address CPG comments and worked on RTC table.
5/14/2012	3.50	150.00	\$525.00	Continued to revise report based on CPG comments.
5/29/2012	3.00	150.00	\$450.00	Began review of Integral's comments and continued to work on report and RTC. Discussed status and schedule with PM.
5/31/2012	0.50	150.00	\$75.00	Reviewed technical review comments, reviewed map legend changes.
Summary for Jennifer Parker				
	12.00		\$1,800.00	

Karen Tobiason

Date	Hours	Rate	Extended	Notes
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5/31/2012	1.50	150.00	\$225.00	Review report and RTC after edits and updates based on CPG comments.
Summary for Karen Tobiason				
	1.50		\$225.00	

Lisa Saban

Date	Hours	Rate	Extended	Notes
5/9/2012	1.00	160.00	\$160.00	go over cpg cmts
5/21/2012	1.00	160.00	\$160.00	update on cbs rpt changes
Summary for Lisa Saban				
	2.00		\$320.00	

Shana Hinds

Date	Hours	Rate	Extended	Notes
5/29/2012	1.00	90.00	\$90.00	Incorporate Integral feedback, update RTC
Summary for Shana Hinds				
	1.00		\$90.00	

Summary for Task 23.2.4 CBS Spring 2011 Data Report
16.50 \$2,435.00

Task 26 CPG Strategic Support

Berit Bergquist

Date	Hours	Rate	Extended	Notes
5/31/2012	0.50	150.00	\$75.00	discuss porewater sampling methods with Jennifer for question from Bill
Summary for Berit Bergquist				
	0.50		\$75.00	

Jennifer Parker

Date	Hours	Rate	Extended	Notes
5/30/2012	0.25	150.00	\$37.50	Coordinated with data manager to obtain mudflat vs. non-mudflat data summary tables for porewater question from Bill.
5/31/2012	3.50	150.00	\$525.00	Conducted comparison of mudflat vs. non-mudflat chemical concentrations for potential porewater sampling. Summarized AVS/SEM data for project managers for potential porewater sampling.
Summary for Jennifer Parker				
	3.75		\$562.50	

Lisa Saban

Date	Hours	Rate	Extended	Notes
5/4/2012	1.00	160.00	\$160.00	smwg rpt changes
5/6/2012	3.00	160.00	\$480.00	finish up and send smwg prnt
5/14/2012	2.00	160.00	\$320.00	presentation prep
Summary for Lisa Saban	6.00		\$960.00	

Mike Johns

Date	Hours	Rate	Extended	Notes
5/4/2012	1.00	170.00	\$170.00	work on SMWG presentation
Summary for Mike Johns	1.00		\$170.00	

Summary for Task 26 CPG Strategic Support
11.25 \$1,767.50

Task 32.2 Bioaccumulation Model**Berit Bergquist**

Date	Hours	Rate	Extended	Notes
5/4/2012	2.25	150.00	\$337.50	talk to Nancy and Brian about crab metabolism search and do quick Google Scholar search; start reviewing one paper
5/8/2012	3.75	150.00	\$562.50	review papers from literature search on metabolism of PCBs and dioxins by crab
5/9/2012	2.50	150.00	\$375.00	continue reviewing papers from literature search on metabolism of PCBs and dioxins by crab; document results; discuss with Nancy
5/17/2012	0.50	150.00	\$75.00	discuss eel PCB metabolism literature search with Brian and review previous search
5/18/2012	2.00	150.00	\$300.00	review PCB eel metabolism articles
5/22/2012	1.50	150.00	\$225.00	review eel PCB metabolism articles for FWM
Summary for Berit Bergquist	12.50		\$1,875.00	

Brian Church

Date	Hours	Rate	Extended	Notes
5/7/2012	2.00	110.00	\$220.00	Literature search as per Berit's request: crab metabolism of TCDD and PCBs

5/8/2012	1.75	110.00	\$192.50	Continued to seek out sources of information on crab metabolism (via bioaccumulation information) of PCBs and dioxin
5/9/2012	6.00	110.00	\$660.00	Presented current findings of statistical analyses and received direction to answer questions that arose. Created histograms of data. Began to incorporate new data (AVS/SEM) as well as normalize data in order to tease out potential correlations.
5/10/2012	1.75	110.00	\$192.50	Editing data and repeating correlation analyses with AVS and SEM data; tracking down additional information
5/11/2012	0.50	110.00	\$55.00	Discussed data with Karen and the need to rearrange the current benthic taxa data
5/18/2012	2.25	110.00	\$247.50	Researched the metabolic activity in eel of PCBs at the request of Berit
Summary for Brian Church				
	14.25		\$1,567.50	

Jessica Huybregts

Date	Hours	Rate	Extended	Notes
5/14/2012	0.50	110.00	\$55.00	QCd FWM GSA worksheets for Nate.
5/17/2012	0.50	110.00	\$55.00	QCd Graph data spreadsheets for Nate.
Summary for Jessica Huybregts				
	1.00		\$110.00	

John Toll

Date	Hours	Rate	Extended	Notes
5/1/2012	1.00	160.00	\$160.00	Worked with staff on GSA likelihood function questions
5/2/2012	1.50	160.00	\$240.00	Worked with the team on technical issues concerning the design and development of the spreadsheet models needed to do the GSA.
5/7/2012	4.00	160.00	\$640.00	GSA review
5/8/2012	1.00	160.00	\$160.00	Worked with staff on GSA methods
5/9/2012	2.00	160.00	\$320.00	Reviewed progress, set next steps for GSA
5/10/2012	1.00	160.00	\$160.00	Reviewed GSA progress
5/11/2012	1.50	160.00	\$240.00	Worked with staff on GSA interpretation
5/14/2012	4.00	160.00	\$640.00	Team meeting to get updates on GSA progress. Worked with individuals on their assignments (re: modeling assumptions, GSA graphics, output analyses).
5/15/2012	0.50	160.00	\$80.00	Directing GSA work
5/16/2012	0.50	160.00	\$80.00	Directing GSA work
5/17/2012	0.50	160.00	\$80.00	Directing GSA work
5/21/2012	1.00	160.00	\$160.00	GSA oversight
5/22/2012	1.00	160.00	\$160.00	GSA oversight
5/23/2012	1.00	160.00	\$160.00	GSA oversight
5/24/2012	1.00	160.00	\$160.00	GSA oversight

5/25/2012	1.00	160.00	\$160.00	GSA oversight
5/30/2012	4.00	160.00	\$640.00	Review progress on RASC presentation materials and GSA tool and worked on a description of the GSA methodology
Summary for John Toll				
	26.50		\$4,240.00	

Kay Hessemer

Date	Hours	Rate	Extended	Notes
5/10/2012	1.50	70.00	\$105.00	Enter references into EndNote database
Summary for Kay Hessemer				
	1.50		\$105.00	

Lisa Saban

Date	Hours	Rate	Extended	Notes
5/21/2012	1.00	160.00	\$160.00	check up on the benthic compartments and how overlap with bera
5/30/2012	1.00	160.00	\$160.00	discussion on bioaccum progress
Summary for Lisa Saban				
	2.00		\$320.00	

Lucinda Tear

Date	Hours	Rate	Extended	Notes
5/1/2012	3.00	150.00	\$450.00	working with Weibull distribution
5/2/2012	2.00	150.00	\$300.00	GSA; work with Nate and meeting
5/14/2012	1.50	150.00	\$225.00	GSA meeting; short discussion with Nate re: graphics
5/15/2012	5.00	150.00	\$750.00	Discuss GSA graph production with Nate; Read Hornberger and Spear article, write summary.
Summary for Lucinda Tear				
	11.50		\$1,725.00	

Nancy Judd

Date	Hours	Rate	Extended	Notes
5/2/2012	3.00	150.00	\$450.00	Passaic model sensitivity analysis and GSA meeting
5/3/2012	7.00	150.00	\$1,050.00	FWM sens analysis, refining distributions
5/7/2012	5.75	150.00	\$862.50	Diet distribution refinement for use in the GSA
5/9/2012	4.00	150.00	\$600.00	FWM diets for GSA- simulation testing
5/11/2012	4.00	150.00	\$600.00	FWM diet sensitivity analysis
5/14/2012	7.25	150.00	\$1,087.50	Sensitivity analysis to reduce parameters for GSA model runs, eval of diet parameters (are they extreme values)
5/16/2012	7.50	150.00	\$1,125.00	Summary of sens anal and diet eval, model runs for GSA

5/18/2012	5.00	150.00	\$750.00	Water parameters sensitivity analysis, GSA model runs
5/21/2012	3.50	150.00	\$525.00	Model runs for GSA, metab issues, benthic availability
5/23/2012	3.00	150.00	\$450.00	Metab issues and model influence for eel, wrap up benthic availability
5/25/2012	4.25	150.00	\$637.50	Summary of issues relevant to "fudge factor" in GSA
5/30/2012	7.00	150.00	\$1,050.00	Slides for CPG presentation 6/5
Summary for Nancy Judd		61.25	\$9,187.50	

Nancy Musgrove

Date	Hours	Rate	Extended	Notes
5/21/2012	2.50	150.00	\$375.00	Evaluate distribution of coarse organic material to determine effect on the vulnerability of benthic community to predation
Summary for Nancy Musgrove		2.50	\$375.00	

Nate Lewis

Date	Hours	Rate	Extended	Notes
5/1/2012	2.00	110.00	\$220.00	FWM GSA
5/1/2012	2.00	110.00	\$220.00	FWM sensitivity analysis
5/2/2012	1.00	110.00	\$110.00	GSA review meeting
5/3/2012	1.00	110.00	\$110.00	GSA review meeting
5/7/2012	1.75	110.00	\$192.50	FWM GSA
5/8/2012	2.00	110.00	\$220.00	Creating and testing Diet Parameter Set version of FWM
5/9/2012	3.00	110.00	\$330.00	Creating and testing Diet Parameter Set version of FWM
5/10/2012	3.25	110.00	\$357.50	GSA
5/10/2012	1.50	110.00	\$165.00	Creating and testing Diet Parameter Set version of FWM
5/11/2012	2.50	110.00	\$275.00	GSA
5/14/2012	5.00	110.00	\$550.00	GSA
5/15/2012	7.00	110.00	\$770.00	GSA
5/16/2012	3.00	110.00	\$330.00	GSA
5/17/2012	4.00	110.00	\$440.00	GSA
5/18/2012	4.00	110.00	\$440.00	GSA
5/21/2012	3.00	110.00	\$330.00	GSA
5/22/2012	6.00	110.00	\$660.00	GSA
5/23/2012	5.00	110.00	\$550.00	GSA
5/24/2012	4.00	110.00	\$440.00	GSA
5/25/2012	2.00	110.00	\$220.00	GSA
5/29/2012	3.00	110.00	\$330.00	GSA
5/30/2012	5.00	110.00	\$550.00	GSA

5/31/2012	5.00	110.00	\$550.00	GSA
Summary for Nate Lewis		76.00	\$8,360.00	

Sarah Fowler

Date	Hours	Rate	Extended	Notes
5/9/2012	0.50	90.00	\$45.00	download data and stats from latest 50,000 runs.
5/16/2012	3.00	90.00	\$270.00	look into influence of dietary proportions on HQs in @risk, run FWM for GSA
5/17/2012	5.00	90.00	\$450.00	run FWM for GSA and save results
Summary for Sarah Fowler		8.50	\$765.00	

Suzanne Replinger

Date	Hours	Rate	Extended	Notes
5/3/2012	2.00	110.00	\$220.00	extraction of simulation data and pulling sensitivity analysis results
Summary for Suzanne Replinger		2.00	\$220.00	

Summary for Task 32.2 Bioaccumulation Model
219.50 \$28,850.00

Task 36 Initial ERA Framework

Berit Bergquist

Date	Hours	Rate	Extended	Notes
5/30/2012	0.25	150.00	\$37.50	begin to prepare ERA outline
Summary for Berit Bergquist		0.25	\$37.50	

Lisa Saban

Date	Hours	Rate	Extended	Notes
5/1/2012	8.00	160.00	\$1,280.00	tc mgt
5/2/2012	8.00	160.00	\$1,280.00	rasc mgt
5/3/2012	2.00	160.00	\$320.00	follow up from mgt
5/7/2012	1.00	160.00	\$160.00	work on bera design
5/8/2012	1.00	160.00	\$160.00	continue to flesh out bera
5/14/2012	1.00	160.00	\$160.00	continue to develop the ecorisk

5/21/2012	4.00	160.00	\$640.00	work on overall bera approach
5/23/2012	2.00	160.00	\$320.00	continue on bera approach
5/25/2012	2.00	160.00	\$320.00	continue on bera approach
5/29/2012	2.00	160.00	\$320.00	continue work on bera strat
Summary for Lisa Saban				
	31.00		\$4,960.00	

Mike Johns

Date	Hours	Rate	Extended	Notes
5/1/2012	8.00	170.00	\$1,360.00	Attend TC meeting
5/2/2012	8.00	170.00	\$1,360.00	Attend RASC meeting
Summary for Mike Johns				
	16.00		\$2,720.00	

Shana Hinds

Date	Hours	Rate	Extended	Notes
5/1/2012	1.00	90.00	\$90.00	Compile sample BERA TOCs for Lisa
Summary for Shana Hinds				
	1.00		\$90.00	

Shannon Katka

Date	Hours	Rate	Extended	Notes
5/1/2012	0.75	150.00	\$112.50	answer support questions for Lisa on Passaic eco risk preliminary results slides for RASC presentation
Summary for Shannon Katka				
	0.75		\$112.50	

Summary for Task 36 Initial ERA Framework

49.00	\$7,920.00
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Task 36.1 Screening Assessment TRV Eval

Jessica Huybregts

Date	Hours	Rate	Extended	Notes
5/1/2012	0.75	110.00	\$82.50	Various communications with Lisa re: screen presentation.
5/10/2012	0.50	110.00	\$55.00	Meeting to discuss SLERA approach.
5/10/2012	0.50	110.00	\$55.00	Tabulated TRVS used for sediment exposure for benthic orgs (for mapping).

5/14/2012	6.50	110.00	\$715.00	SLERA Outline. Reviewed life history profiles for diet portion and SUF evaluation.
5/15/2012	7.00	110.00	\$770.00	Reviewed life history profiles for diet portion and SUF evaluation.
5/16/2012	5.00	110.00	\$550.00	Gathered fish and invert TRVs for mussel data screen. QC'd screen output from Kim. Read 2 papers about plants for toxicity assessment.
5/17/2012	6.50	110.00	\$715.00	Reviewed life history profiles for diet portion and SUF evaluation. Used European Chemicals Agency webpage to search for plant toxicity information for chemicals.
5/18/2012	7.00	110.00	\$770.00	Reviewed life history profiles for diet portion and SUF evaluation.
5/21/2012	0.50	110.00	\$55.00	Met with Lisa/Shannon/Mike on SLERA approach.
5/21/2012	5.50	110.00	\$605.00	Data prep for re-running SLERA.
5/22/2012	7.00	110.00	\$770.00	Re-ran SLERA with new diet portions and scenarios.
5/23/2012	6.00	110.00	\$660.00	Re-ran SLERA with new diet portions and scenarios.
5/24/2012	7.00	110.00	\$770.00	Summarized SLERA outputs with new diet portions and scenarios.
5/25/2012	6.50	110.00	\$715.00	Summarized SLERA outputs with new diet portions and scenarios. Reviewed Bugel thesis.
5/29/2012	7.00	110.00	\$770.00	SLERA tables/outline
5/30/2012	7.00	110.00	\$770.00	SLERA tables/outline
Summary for Jessica Huybregts				
	80.25		\$8,827.50	

Kim Goffman

Date	Hours	Rate	Extended	Notes
5/4/2012	0.50	110.00	\$55.00	Identify selenium datasets for regional tissue. Export TOC data for GIS.
5/7/2012	5.00	110.00	\$550.00	Prepare summary of BERA and regional selenium data in tissue. Prepare summary of summing variations driven by detection limit treatment.
5/8/2012	2.00	110.00	\$220.00	Finish preparing summary of summing variations driven by detection limit treatment.
5/16/2012	4.00	110.00	\$440.00	Import tissue SLs for SLERA. Create tissue screen for NOAEL/LOAEL SLs.
5/17/2012	6.00	110.00	\$660.00	Export and summarize results of NOAEL/LOAEL screen for caged bivalves. Import sediment SLs for SLERA. Build queries for sediment screen. Export and summarize results of sediment screen.
5/18/2012	4.00	110.00	\$440.00	Import water SLs for SLERA. Begin building queries for water screen.
5/21/2012	4.00	110.00	\$440.00	Screen surface water and summarize results. Create sample groups for tissue screen.
5/22/2012	6.00	110.00	\$660.00	Begin preparing dietary EPC summaries for tissue and sediment.
5/23/2012	1.00	110.00	\$110.00	Finish preparing dietary EPC summaries for tissue and sediment.
5/24/2012	0.50	110.00	\$55.00	Add mummichog to dietary EPC summaries for tissue.
5/25/2012	1.50	110.00	\$165.00	Update dietary EPC summary sediment with requested revisions.

Summary for Kim Goffman

34.50

\$3,795.00

Lisa Saban

Date	Hours	Rate	Extended	Notes
5/10/2012	2.00	160.00	\$320.00	path forward on SLERA
5/22/2012	2.00	160.00	\$320.00	review latest screening approach
5/30/2012	2.00	160.00	\$320.00	review progress of slera
Summary for Lisa Saban	6.00		\$960.00	

Shannon Katka

Date	Hours	Rate	Extended	Notes
5/10/2012	1.00	150.00	\$150.00	internally meet for strategy needed to meet CPG ERA screening analysis needs per RASC presentation on preliminary results
5/11/2012	3.75	150.00	\$562.50	prepare table of sediment benthic criteria for mapping- include OC normalized values and QC table with database and original sources; begin outline planning/strategic organization of SLERA based on review of prior LPR documents
5/14/2012	8.00	150.00	\$1,200.00	evaluation of fish sizes nad composite/indiviudal samples relative to spatial distribution and make graphs; review of concentration vs. size data; review of EPA guidance for working mangement decision points into SLERA outline
5/15/2012	5.25	150.00	\$787.50	work on SLERA outline and arguments/presentation of LOEs based on relative uncertainties and conservatism
5/16/2012	1.50	150.00	\$225.00	begin fish egg evaluation for BERA based on proposed work and proposed evauation in QAPP per USEPA; work with Jessica on evaluation of mussel tissue - SL TRVs to use and data summaries
5/17/2012	6.25	150.00	\$937.50	continue fish egg evaluation - review of literature on mummichog egg counts and masses from reference and contaminated sites, review of results and methods used to determine counts and masses; work with Kim on surface water screening based on current validated dataset; evaluation of dietary assumptions for refined screening parameters
5/18/2012	4.50	150.00	\$675.00	evaluation of dietary uncertainty analysis; refinement of dietary prey assumptions based on literature and sizes; being write-up on fish egg approach
5/21/2012	4.50	150.00	\$675.00	work on dietary screening update/SLERA tasks with Jessica; write-up of fish egg results and comparison to Newark Bay study; internal meeting with Lisa and Mike on SLERA tasks for upcoming RARC presentation
Summary for Shannon Katka	34.75		\$5,212.50	

Suzanne Replinger

Date	Hours	Rate	Extended	Notes
5/18/2012	2.25	110.00	\$247.50	screening / probabilistic sensitivity analysis options
5/21/2012	2.75	110.00	\$302.50	screening assessment -- probabilistic HHRA options and determination of diets
5/22/2012	7.50	110.00	\$825.00	screening assessment -- probabilistic HHRA options and set-up, preliminary review of river otter HQs, incorporation of abundance into dietary distributions
5/30/2012	1.50	110.00	\$165.00	revisions to dietary assumptions based on prey abundance
5/31/2012	3.50	110.00	\$385.00	preliminary otter calculations using revised diets, mink calculation set-up
Summary for Suzanne Replinger		17.50	\$1,925.00	
Summary for Task 36.1 Screening Assessment TRV Eval			173.00	\$20,720.00

Task 36.2 Initial Benthic Assessment

Brian Church

Date	Hours	Rate	Extended	Notes
5/3/2012	3.00	110.00	\$330.00	Beginning to create benthic metrics analyses; created histograms for Mike and Lisa
5/4/2012	2.50	110.00	\$275.00	Arranged data for Benthic metrics and finished offloading and reformatting histograms for overview file for partners; discussed data briefly with Lucinda
5/7/2012	4.25	110.00	\$467.50	Correlation analyses, summary of correlations and redundant values, downloading XLSTAT
5/8/2012	5.00	110.00	\$550.00	Finished summary of correlations and used them to create histograms of benthic metrics vs. stressors
5/14/2012	2.75	110.00	\$302.50	Reformatted information for PCA and correlation analysis
5/15/2012	8.00	110.00	\$880.00	Calculated benthic taxa data, added to all relevant workbooks; ran correlation analyses on new data; ran PCA on new data; ran second correlation with PCA factor scores; created histograms and edited old histograms; summarized correlation information
5/16/2012	6.25	110.00	\$687.50	Went over calculations, QC'd data and tables, conducted Spearman correlation on some data to see if non-parametric analysis better described the data; created histograms and scatterplots of data; conversed with Lucinda about the state of the data and possible directions for future analyses
5/17/2012	3.00	110.00	\$330.00	Ran Spearman correlations with data to potentially show the non-parametric significance of relationships between chemicals and benthic metrics; rearranged data to show any potential correlations between benthic metrics and toxicity bioassays

5/21/2012	2.75	110.00	\$302.50	Investigating last weeks findings on my own, and then presenting some of the findings to Mike and Lisa (and Lucinda)
5/22/2012	4.00	110.00	\$440.00	Created graphs, ran Spearman analyses, investigated river mile/salinity gradients for multiple endpoints
5/23/2012	7.75	110.00	\$852.50	analyzing spearman PCA factors, multilinear regressions and forward stepwise regressions, trimming variables to the most representative of benthic metrics.
5/24/2012	7.00	110.00	\$770.00	Multilinear regression and forward/backward stepwise regression analysis of factors and representative variables
5/25/2012	5.25	110.00	\$577.50	Summarize all results to this point; discussing possible direction for further analysis; finishing up analysis from past few days; further investigation of river mile/salinity trends and abundance and metrics.
5/29/2012	4.75	110.00	\$522.50	Created graphs for Lisa of salinity, abundance, and location; also reviewed the relationship between toxicity endpoints and salinity, location, and river mile. Discussed the status of data with Lucinda briefly and some issues with the bimodality of abundance/richness/metrics data in relation to river mile/salinity; reviewed the state of the exploration in order to fill any gaps in the process that may have been missed.
5/30/2012	5.00	110.00	\$550.00	Created salinity and non-chemical stressor scatterplots; discussed needs for presentation; dumped histograms into presentation; edited histograms
5/31/2012	6.00	110.00	\$660.00	Created more scatterplots, edited plots, summarized data in narrative form for Mike, added more slides to presentation, talked with Lucinda about the state of PCA and multiple linear/step-wise regressions and the practicality of the analytical output; started to create slides of exceedence data for presentation at Lisa's request
Summary for Brian Church				
	77.25		\$8,497.50	

Jennifer Parker

Date	Hours	Rate	Extended	Notes
5/9/2012	0.75	150.00	\$112.50	Provided AVS and SEM related calculations and background information on relevance of calculations for PCA plots.
5/21/2012	0.25	150.00	\$37.50	Review of bivalve screening data.
Summary for Jennifer Parker				
	1.00		\$150.00	

Karen Tobiason

Date	Hours	Rate	Extended	Notes
5/3/2012	0.50	150.00	\$75.00	Start organization of benthic community data for pca analyses.
5/11/2012	1.50	150.00	\$225.00	Work on benthic community data for pca analysis.
5/14/2012	1.00	150.00	\$150.00	Update 2009 benthic community data for use in PCA; categorize groups by taxa.

5/15/2012	0.75	150.00	\$112.50	Finish updating 2009 benthic community data.
5/17/2012	0.75	150.00	\$112.50	Provide support for benthic analysis.
5/21/2012	0.25	150.00	\$37.50	Provide resource information on leaf litter observations for food web model evaluation.
Summary for Karen Tobiason				
	4.75		\$712.50	

Kim Goffman

Date	Hours	Rate	Extended	Notes
5/31/2012	5.00	110.00	\$550.00	Summarize benthic COPC exceedances for presentation. QC benthic maps for presentation. Summarize mudflat vs non-mudflat chemistry for comparison.
Summary for Kim Goffman				
	5.00		\$550.00	

Linda Marsh

Date	Hours	Rate	Extended	Notes
5/9/2012	2.25	90.00	\$202.50	Worked with Lisa on planning maps needed of benthic data.
5/10/2012	3.50	90.00	\$315.00	Added toxicity and community layers to the ArcReader benthic map.
5/11/2012	2.25	90.00	\$202.50	Worked on benthic chemistry layers for an ArcReader map.
5/14/2012	7.00	90.00	\$630.00	Worked on mapping sediment chemistry.
5/15/2012	6.50	90.00	\$585.00	Revised ArcReader map and finished KML layers of benthic results, continued working on chemistry SQV layers.
5/16/2012	8.75	90.00	\$787.50	Created river slope grid for new interpolation method of diffusion with barriers for benthic chemistry.
5/17/2012	1.25	90.00	\$112.50	Worked on smoothing a river slope grid for possible improved interpolation.
5/18/2012	6.25	90.00	\$562.50	Continued working on baselayers for interpolations that account for flow and shoreline.
5/21/2012	1.00	90.00	\$90.00	Highlighted charts on dioxin map.
5/22/2012	1.00	90.00	\$90.00	Continued working on interpolation baselayers.
5/23/2012	7.50	90.00	\$675.00	Compared results of natural neighbors and diffusion interpolation method and worked on map layers for the interactive map.
5/24/2012	6.00	90.00	\$540.00	Worked on sediment chemistry location layers for ArcMap.
5/25/2012	0.50	90.00	\$45.00	Continued working on sediment chemistry location layers for ArcMap.
5/29/2012	5.50	90.00	\$495.00	Finished symbology and legends and added chemistry location layers and SPI to the ArcReader map.
5/30/2012	6.75	90.00	\$607.50	Made a map with benthic guild proportions and sediment exceedance maps.
5/31/2012	2.25	90.00	\$202.50	Finished making maps of exceedances.

Summary for Linda Marsh
68.25

\$6,142.50

Lisa Saban

Date	Hours	Rate	Extended	Notes
5/7/2012	2.00	160.00	\$320.00	continue to work on benthic assessment
5/18/2012	2.00	160.00	\$320.00	continue to work on benthic analyses
5/24/2012	3.00	160.00	\$480.00	work on benthic approach
5/25/2012	3.00	160.00	\$480.00	continue on benthic approach
5/31/2012	5.00	160.00	\$800.00	work on benthic presentation and analyses

Summary for Lisa Saban

15.00 \$2,400.00

Lucinda Tear

Date	Hours	Rate	Extended	Notes
5/4/2012	1.00	150.00	\$150.00	QC use of benthic indices in correlations
5/9/2012	3.00	150.00	\$450.00	PCAs of tox and benthic indices; finalize how to normalize for TOC, lipids; avs; etc.
5/15/2012	2.00	150.00	\$300.00	Review benthic PCA and correlation analyses
5/16/2012	2.00	150.00	\$300.00	Benthic evaluation by station
5/21/2012	2.00	150.00	\$300.00	Explore relationships between Benthic data and chemistry; radar plots
5/22/2012	3.00	150.00	\$450.00	Plot individual station RADAR plots of benthos and chemistry. Try different sortings
5/23/2012	3.00	150.00	\$450.00	Benthic regressions; establish methods
5/25/2012	3.00	150.00	\$450.00	work on benthic regression approach.
5/29/2012	2.00	150.00	\$300.00	quadratic graphs of benthos vs. rivermile
5/31/2012	3.00	150.00	\$450.00	Summarize PCA and MLR approach

Summary for Lucinda Tear

24.00 \$3,600.00

Mike Johns

Date	Hours	Rate	Extended	Notes
5/3/2012	3.00	170.00	\$510.00	Continue to work on exploratory analysis with SQT data
5/9/2012	2.50	170.00	\$425.00	Work on review of exploratory analysis for benthic data
5/11/2012	2.00	170.00	\$340.00	Reviewed some more of the exploratory data analysis
5/14/2012	3.00	170.00	\$510.00	Continue to work with exploratory analysis data for benthic risks
5/15/2012	2.00	170.00	\$340.00	Continue to work with exploratory data
5/17/2012	4.00	170.00	\$680.00	Began to develop RASC presentation of exploratory data

5/21/2012	4.00	170.00	\$680.00	Continued to review exploratory results; began putting data analysis results into RASC presentation
5/23/2012	4.00	170.00	\$680.00	Continued to work on exploratory analysis
5/24/2012	2.00	170.00	\$340.00	Continued to work on exploratory analysis results
5/25/2012	2.00	170.00	\$340.00	Work on presentation
5/30/2012	4.00	170.00	\$680.00	Work on benthic presentation data analysis
5/31/2012	4.00	170.00	\$680.00	Finish up benthic presentation data analysis
Summary for Mike Johns				
	36.50		\$6,205.00	

Mike Yarnes

Date	Hours	Rate	Extended	Notes
5/9/2012	2.25	90.00	\$202.50	Went over mapping ideas on how to best present and incorporate useful data from benthic tox model, benthic community maps, and some chemical specific data layers.
5/22/2012	6.50	90.00	\$585.00	Continued and finished work creating NN interpolation layers for specific chemicals. Exported final product to ArcReader for data sharing.
5/23/2012	1.50	90.00	\$135.00	Finished working on ArcReader map (NN interpolations and publishing to ArcReader).
5/24/2012	2.00	90.00	\$180.00	Began work on revising current interpolated layers with different SLs and constructing new chemical layers.
5/25/2012	6.00	90.00	\$540.00	Finished running NN interpolations and revising layers for conversion to ArcReader. Also began and finished publishing the new datasets into ArcReader.
Summary for Mike Yarnes				
	18.25		\$1,642.50	

Nancy Musgrove

Date	Hours	Rate	Extended	Notes
5/21/2012	1.50	150.00	\$225.00	Evaluate distribution of biomass, successional stage, and abundance in river
5/30/2012	3.00	150.00	\$450.00	Develop several graphics to depict community structure based on successional stage and feeding guilds. Review historical SPI data and analyze. Re-evaluate feeding guild data.
Summary for Nancy Musgrove				
	4.50		\$675.00	

Ron Gouguet

Date	Hours	Rate	Extended	Notes
5/9/2012	1.50	150.00	\$225.00	begin developing benthic impact approach and language
Summary for Ron Gouguet				
	1.50		\$225.00	

Summary for Task 36.2 Initial Benthic Assessment
256.00 \$30,800.00

Task 36.3 Initial Exposure Assessment

Lisa Saban

Date	Hours	Rate	Extended	Notes
5/29/2012	1.00	160.00	\$160.00	start examining exp scenarios
Summary for Lisa Saban	1.00		\$160.00	

Summary for Task 36.3 Initial Exposure Assessment
1.00 \$160.00

Task 36.4 Initial Uncertainty Analysis

Lisa Saban

Date	Hours	Rate	Extended	Notes
5/30/2012	1.00	160.00	\$160.00	start eval uncert estimates
Summary for Lisa Saban	1.00		\$160.00	

Summary for Task 36.4 Initial Uncertainty Analysis
1.00 \$160.00

Task 37 DO Monitoring Program

Jennifer Parker

Date	Hours	Rate	Extended	Notes
5/29/2012	0.50	150.00	\$75.00	Assisted with DQO table development.
Summary for Jennifer Parker	0.50		\$75.00	

Kay Hessemer

Date	Hours	Rate	Extended	Notes
5/29/2012	2.00	70.00	\$140.00	Extract SOP text from PDF document; reconstruct tables; format in Windward style

Summary for Kay Hessemer

2.00

\$140.00

Linda Marsh

Date	Hours	Rate	Extended	Notes
5/4/2012	3.25	90.00	\$292.50	Updated the freshwater proposed DO locations map, made a map of TOC sitewide for DO sampling planning, and requested updated bathymetry layers.
5/30/2012	2.00	90.00	\$180.00	Edited the proposed HVW locations map and calculated coordinates.
Summary for Linda Marsh				
	5.25		\$472.50	

Lisa Saban

Date	Hours	Rate	Extended	Notes
5/23/2012	3.00	160.00	\$480.00	work on do monitoring sow and planning with thai on locations, timing.
5/31/2012	1.00	160.00	\$160.00	work on do planning
Summary for Lisa Saban				
	4.00		\$640.00	

Mike Johns

Date	Hours	Rate	Extended	Notes
5/3/2012	2.00	170.00	\$340.00	Work on revising DO monitoring scope and budget
Summary for Mike Johns				
	2.00		\$340.00	

Nancy Musgrove

Date	Hours	Rate	Extended	Notes
5/29/2012	3.00	150.00	\$450.00	Assist Thai in selection of benthic stations for DO monitoring.
Summary for Nancy Musgrove				
	3.00		\$450.00	

Thai Do

Date	Hours	Rate	Extended	Notes
5/3/2012	1.00	110.00	\$110.00	Talk to OSI to get quote for DO monitoring program (follow up to RASC meeting for DO monitoring program)
5/4/2012	1.00	110.00	\$110.00	(For DO monitoring program) Review TOC data (all data sets) for estuarine section of LPR, and additional data sets for freshwater portion as follow up to RASC meeting (per Mike)

5/11/2012	0.50	110.00	\$55.00	Update DO monitoring program field estimates with OSI quote (per RASC suggestion)
5/22/2012	0.25	110.00	\$27.50	Coordinate with OSI for SOP (DO monitoring Task 37)
5/27/2012	4.00	110.00	\$440.00	Begin updating QAPP addenda worksheets, data use objectives
5/29/2012	8.00	110.00	\$880.00	Continue to update QAPP addendum worksheets, sampling locations, rationale
5/30/2012	4.00	110.00	\$440.00	Continue QAPP addendum worksheets, rationale
Summary for Thai Do				
	18.75		\$2,062.50	

Summary for Task 37 DO Monitoring Program
35.50 **\$4,180.00**

Summary for Passaic RI
849.00 **\$109,370.00**

PASSAIC RI/FS - PER DIEM TRACKING

Task 36 Initial ERA Framework

May 2012 Invoice

	Mike Johns	Lisa Saban	TOTAL
Monday, April 30, 2012	175.75	175.75	351.50
Tuesday, May 01, 2012	191.00	191.00	382.00
Wednesday, May 02, 2012	45.75	45.75	91.50
Thursday, May 03, 2012			
Friday, May 04, 2012			
Saturday, May 05, 2012			
Sunday, May 06, 2012			
TOTAL	412.50	412.50	825.00

LISA

Passaic
Port of Seattle
36.0

SeaTac International Airport
P.O. Box 68727
Seattle, WA 98168
Phone: (206)-787-5308

Receipt #0114/0617/617 05/02/12 22:09

010100 pay parking ticket\$ 81.00
Parking - 04/30/12 07:44 - 05/02/12 2
2:09
Length of stay: 2 Dg. 14 Hr. 25 Min.
000001 of SeaTacTax \$ 3.00

total amount \$ 84.00

Tax 9.50 % \$ 7.03
\$ 0.00

Visa

SEAGN/LISA

Amount = \$ 84.00

Card Number: XXXXXXXXXXXXXXXX

or Code: 077047

~~~~~

Thank You

Have a nice trip

~~~~~


Company Billing Detail

All Billing Accounts

Company: WINDWARD ENVIRONMENTAL
 Card Type: Purchasing
 Organization: WINDWARD ENVIRONMENTAL
 Card Account: All card accounts
 Cycle: Billing from 04/14/2012 to 05/15/2012

[Send to Inbox](#)

[Close Report](#)

Billing Account		Card Account No.		Department	
Billing Period End Date	Cardholder Name	Transaction Date	Posting Date	Transaction Amount	Supplier Name
					Supplier Location
		04/26/2012	04/30/2012	743.60	UNITED AIR 0167019185601
		04/26/2012	04/27/2012		US, MANKATO MN
		04/27/2012	05/07/2012	45.25	US, 888-656-4546 IL
		04/30/2012	05/01/2012		PUGET SOUND DISPATCH
		04/30/2012	05/01/2012		US, SEATTLE WA
		04/30/2012	05/01/2012		US, NEWARK NJ
		05/03/2012	05/10/2012		US, 800-331-0500 GA
		05/04/2012	05/07/2012	60.36	NYC TAXI MED 2V46
		05/06/2012	05/08/2012		US, NEW YORK NY
		05/06/2012	05/08/2012	43.00	PUGET SOUND DISPATCH
		05/07/2012	05/09/2012	457.70	US, SEATTLE WA
					HAMPTON INN AND SUITES
					US, HARRISON NJ
					US, 202-437828 WA
					US, SUQUAMISH WA
					US, 800-331-0500 GA

cash Lisa S. Passaic
KEEP THIS CARD FOR YOUR RECORDS

TAXIS

Newark Liberty International Airport

Taxi Cab Number:

Fare = Rate

428

+ Luggage

+ Tolls

TOTAL FARE:

29
+ tip
\$3.50

Note the taxicab number (located on the side of the taxi), the driver's license number (located on the dashboard). If you have a complaint, call the Taxi and Limousine Commission of the city regulating the cabs that serve your terminal.

Only use taxis at authorized taxi stands. Refuse offers for transportation from "helpful strangers." They could be illegal operators.

Taxis serving Terminal A are licensed by the City of Elizabeth, and those serving Terminals B and C are licensed by the City of Newark.

Always ask the taxicab driver for a receipt showing: a) driver's name b) driver's I.D. number c) cab company name and number, and d) the amount paid. Verify (a), (b), (c), and (d) on the receipt.

Elizabeth and Newark licensed taxicabs determine fares by flat rates. Passengers should establish a fare before departure from the taxicab stand. The dispatcher is equipped with a taxicab rate schedule.

All taxicabs are required to take the most direct route to their destinations, unless otherwise directed by the customer.

During weekday rush hours, mornings (6AM to 9AM) and afternoons (4PM to 7PM) and on weekends (Saturday and Sunday) from 12PM to 8PM, there is an additional \$5 surcharge to all points in the State of New York except Staten Island.

THE FOLLOWING ARE APPROXIMATE TAXI FARES:

(Tips and roundtrip tolls not included.)

- From downtown Newark area to Airport Terminals
Flat fare is \$13. (All other zones within the city are metered.)
- Airport Terminals to the City of Newark
Flat fares range from \$15-\$18 and are determined by zone.
- Newark Liberty International Airport to Downtown and Midtown Manhattan (west side of 5th Avenue between 14th-185th Streets).
Flat fares range from \$50-\$70 and are determined by zone plus tolls. (For the east side of mid-Manhattan, additional charge of \$5.)
- Newark Liberty International Airport to JFK International Airport
Flat fare is \$85 + toll. \$13 Verrazano Bridge toll must be paid by passenger for driver's return trip.
- Newark Liberty International Airport to LaGuardia Airport
Flat fare is \$75 + toll.

One fare pays for all passengers to the same destination.

There is a \$1 charge for each piece of luggage over 24 inches (60 cm).

For assistance, see the dispatcher or a Port Authority police officer.

Taxis serving Terminal A

City of Elizabeth Taxi and Limousine Commission (908) 820-4182

Taxis serving Terminals B and C

City of Newark Taxi and Limousine Commission (973) 733-8912

Passaic-Taxi

DATE	CLERK
AUTHORIZATION	SERVER
15211	
REFERENCE NO. 440	

5645527

QTY.	DESCRIPTION	AMOUNT
		37.85
SALES SLIP	TAX	1
	TIP	5.15
	MISC.	
	TOTAL	43.00

RETAIN FOR YOUR RECORDS

CUSTOMER COPY

1 02 3
MIKE JOHN
WINDWARD ENVIRONMENTAL

PURCHASER SIGN HERE

X M.J.H.
Cardholder acknowledges receipt of goods and/or services in the amount of the Total shown hereon and agrees to perform the obligations set forth in the Cardholder's agreement with the issuer.

Passaic-Taxi

DATE	CLERK
04-28	12
AUTHORIZATION	SERVER
080506	
REFERENCE NO.	

5938913

QTY.	DESCRIPTION	AMOUNT
		39.25
SALES SLIP	TAX	1
	TIP	6.10
	MISC.	
	TOTAL	45.25

RETAIN FOR YOUR RECORDS

CUSTOMER COPY

TOU 1
02/11 9211
MIKE JOHN
WINDWARD ENVIRONMENTAL

PORTLAND SEATTLE WA
541661 00558
006 00401 0995

11133
848

PURCHASER SIGN HERE

X M.J.H.
Cardholder acknowledges receipt of goods and/or services in the amount of the Total shown hereon and agrees to perform the obligations set forth in the Cardholder's agreement with the issuer.

Passaic
TAXI CASH RECEIPT
Newark, N.J.

Cab. No. 180 Date 5/2/12
Passaic
Pick-up from Newark Penn Station / *Taxi 36*

To _____

Amount \$ 20.00 ✓

☐ Inc. Tolls ☐ Luggage ☐ Several Stops

DTMS ☒ 21" *24" size*